

Table 1. Record format of daily data files

Field number	Position	Field length	Field name	Notes
1	1-5	5	WMO index of station	Fixed for the file
	6	1	Blank	
2	7-10	4	Year	
	11		Blank	
3	12-13	2	Month	
	14	1	Blank	
4	15-16	2	Day	
	17	1	Blank	
5	18	1	TFLAG – group quality flag for air temperature indices	See Table 2
	19	1	Blank	
6	20-24	5	TMIN-minimum daily air temperature	In tenths of °C, accurate to within 0.1 °C. “-99.9” indicates missing data.
	25	1	Blank	
7	26	1	QTMIN- quality flag for TMIN	See Table 3
	27	1	Blank	
8	28-32	5	TMEAN – mean daily air temperature	In tenths of °C, accurate to within 0.1 °C. “-99.9” indicates missing data.
	33	1	Blank	
9	34	1	QTMEAN – quality flag for TMEAN	See Table 3
	35	1	Blank	
10	36-40	5	TMAX – maximum daily air temperature	In tenths of °C, accurate to within 0.1 °C. “-99.9” indicates missing data.
	41	1	Blank	
11	42	1	QTMAX – quality flag for TMAX	See Table 3
	43	1	Blank	
12	44-48	5	R – daily total precipitation	In tenths of mm, accurate to within 0.1 mm. “-99.9” indicates missing data.
	49	1	Blank	
13	50	1	CR - additional flag to R	See Table 4
	51	1	Blank	
14	52	1	QR - quality flag for R	See Table 3

Table 2. TFLAG (group quality flag for air temperature characteristics) values. Information provided to note erroneous data in the Archives that were used in creating the dataset. Efforts are ongoing to correct erroneous values found in the KM-1 books from meteorological stations.

TFLAG	Situation coded			
	QTMIN	QTMEAN	QTMAX	Conditions
0	0	9	9	No conditions
	9	0	9	
	9	9	0	
	0	0	9	TMIN < TMEAN
	0	9	0	TMIN < TMAX
	9	0	0	TMEAN < TMAX
	0	0	0	TMIN < TMEAN < TMAX
1	0	0	9	If at least one of the following relations is violated: TMIN < TMEAN TMEAN < TMAX TMIN < TMAX
	0	9	0	
	9	0	0	
	0	0	0	
9	9	9	9	-

Table 3. QTMIN, QTMEAN, QTMAX, and QR values

Q- flags	Values of Q-flags
0	The value is reliable
9	The value is rejected or no observations were made.

Table 4. CR values

CR	
0	Measured precipitation amount equal to or higher than 0.1 mm
1	Precipitation measured for a few days
2	Precipitation measurements were made, but no precipitation occurred (R = 0)
3	Only precipitation traces were observed (< 0.1 mm) R = 0
9	The value is rejected or no observations were made.